The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

Volume 10, Number 5 **www.FairLawnARC.org** **May 2025**

Inside This Issue

Remember:
Ham Radio Is a Contact Sport!

President's Message

First thing I want to do is thank all our members who made the trip to the Amateur Radio Station at Scranton University. Hopefully they all had a good time.

At the May Kawfee Tawk meeting, Ria N2RJ did a very nice presentation about "Doing HF in an electric vehicle." In June there will be no Kawfee Tawk because we will use the entire time on field day planning.

On Sunday May 4, 2025 OUR spring FLARC portable day was cancelled (postponed) due to weather forecasts of rain that day.

Again, please note that all Kawfee Tawks will begin at 7 PM with the regular business meeting starting at 7:30 PM.

July 11, 2025 (the Friday before is July 4th) will bring us a presentation by Andrea Slack K2EZ. Her topic will be "What is a Rover during a contest?" and she will be bringing her Rover Car for display.

On Monday May 26, 2025 we will again be providing communications for the Memorial Day parade. We will meet behind Memorial School (near the FD site) about 8:15 AM. All you need is a two-meter FM radio of some kind.

I hope to see everyone there. Remember we need to support the town because they support us with a home.

A few days later on Thursday May 29, 2025 we have been invited again to participate in an event at Paterson Great Falls National Historical Park - Overlook Park Area - starting at 8:00AM to 2PM, where we are going to present different aspects of amateur radio. These are some of the same presentations we did at Super Science Saturday in Ridgewood. We need people to transport equipment to the site and help with all the displays.

Please let Jim W2JC know if you can help. Email him at Jim.w2jc@gmail.com

Don't forget that June 14, 2025 is the date for our 5th annual Hamfest. This is one of our largest events and helps cover our expenses to run the club. This is an ALL-HANDS-ON event for all FLARC and ghost members.

The second thing going on in June is the Fair Lawn Street Fair. It will be held on Saturday June 22, 2025. (Still looking for someone to help organize it). **Continued on next page**.

President's Message, continued

The third and final thing in June is summer Field Day. It will be held on Saturday June 28 & 29, 2025. As in the past 60 years it will be held at Memorial Park starting at 8 am on Saturday.

On Wednesday July 2, 2025 we will again be providing communications for the Fair Lawn fireworks. We will be meeting at the refreshment stand about 6:15 pm. All you need is a two-meter FM radio of some kind.

I hope to see everyone there. Remember we need to support the town because they support us with a home and facilities.

Also, while I think of it, on September 20, 2025 we will be holding a FOX hunt. More details will be available as we get closer to the date. Karl W2KBF and Brian KD2KLN will be "the FOX" — so go find them. A prize will be given to the winner or winners who find the fox.

I have tried to cover some of the items that the club will be doing. So please think about becoming a more active member and being part of a terrific club! PLEASE reach out to me or anyone on the board if you have an idea or a complaint.

73,

Gene

WO2W

FLARC calendar of upcoming events

May 2	N2RJ presents on "Using HF in an EV"; followed by May Bus. Mtg.
May 4	FLARC Portable Day [canceled]
May 26	Memorial Day Parade
June 14	FLARC Hamfest
June 21	ARRL Kids Day
June 22	Fair Lawn Street Fair
June 28-29	Summer Field Day
July 2	Fireworks Communications
September 20	FOX Hunt – find the RF Fox

Station Manager's report for April 2025

Stations 1, 3,4 and 5 are fully operational with the new PCs. W2JC is almost done with setting up the new Windows 11 PC at Station 2 (FT8) and getting everything moved from the old PC.

The new Windows 11 PCs at Stations 1 and 4 are up and running.

Recently, I confirmed that the DMR side of the W2NPT/R repeater is operational. (If you hear a "buzzing" sound on the repeater, that is probably someone using the DMR mode.)

Clubhouse attendance has been great lately, and we're seeing many new hams show up asking questions, getting involved in tech talk, and building things.

After upgrading our PCs to Windows 11, we now have a bunch of spare Windows 10 PCs and a printer that are not needed at the club station – if interested, contact club president Gene WO2W.

— Noel W2MSA

PORTABLE DAY POSTPONED

Unfortunately the Fair Lawn Amateur Radio Club Portable Day was postponed due to inclement weather. Originally set for Sunday May 4, 2025 to be held at Memorial Park in Fair Lawn, the forecast of heavy rain forced its cancellation. It will be re-scheduled in the Fall.

Always a popular and well attended event, Portable Day draws an interesting variety of stations and antennas. What is most useful, aside from the camaraderie, is the ability to compare notes, see how fellow members are setting up their portable station and exchange ideas. Also the event showcases portable operation for members who may be considering getting involved in portable activities such as POTA and SOTA.

POTA = Parks On The Air
SOTA = Summits On The Air (hiking!)

The event will be held sometime in the Fall. However as to those members who are interested in portable operating but have not yet taken the plunge, there is no need to wait until the next Portable Day. With summer and nice weather just around the corner there is no need to let another whole season go by before you get out in the fresh air at some park and start operating.

One of the most active Special Interest Groups here at FLARC is the POTA SIG. Just ask to be part of the group and you will be included in all the messages, information and scheduling. More than that, you will see who the active POTA members are.

Each such active POTA member is more than willing to offer guidance and assistance in going portable. That's one of the fun parts of being a member of a ham radio club such as FLARC — being able to tap into the experience of fellow hams when tackling a new aspect of ham radio.

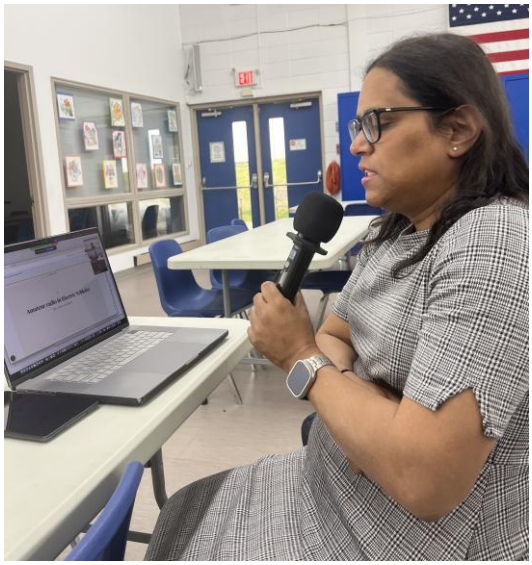
Consider going portable and going POTA.

OPERATING MOBILE IN AN ELECTRIC VEHICLE

On Friday night May 2, 2025 the members of the Fair Lawn Amateur Radio Club were treated to an interesting presentation by fellow member Ria Jairam N2RJ on setting up a mobile station in an electric vehicle (an "EV"). Mobile operating from an EV represents a special set of technical issues and problems. Speaking from extensive experience, Ria shared some of her insights, suggestions and observations in connection with some of these special challenges. Included in her remarks were her thoughts on the current controversy concerning AM radio interference in EVs in general and in the Tesla car in particular. This controversy has implications for ham radio, given the proximity of some ham bands to the AM broadcast frequencies.

Apart from the AM interference issue, Ria's presentation was divided into two segments, VHF/UHF operating and HF operating. Each has its own set of issues and solutions. One common problem is tapping into the EV's electrical systems – primarily because the main electrical circuit operates at voltages higher than would be useful for mobile rigs, and the low power electrical system (which operates accessories such as audio and air bags) operates at lower current than required to power ham radio rigs. Another issue is antenna placement since most EV's do not have metal bodies. All of these issues were extensively discussed.

In all, Ria's presentation was well prepared, informative and highly entertaining. After a few questions, which were skillfully answered, Ria was given a well deserved round of applause.



Notable Hams

by Jim Jalil W2KNG

This column features notable hams both past and present. This month we feature an actor whose voice was instantly recognizable for decades. A character actor with innumerable radio, movie and television credits, he was as familiar as any Hollywood leading man, especially to children growing up in the mid 20th century. We refer to Andy Devine, WB6RER.

Andy Devine WB6RER

Andrew Vabre Devine was born in Arizona in 1907 (when it was still a Territory, Arizona did not become a State until 1912). So playing the Western Cowboy (a recurring role in his acting career) came naturally to him. He moved to California to pursue his college studies at Santa Clara University, where he excelled in sports, playing football and semi-pro baseball. He was 6'2" and played football at 200 pounds, which was considered very big at the time.

A full biography of his acting career would take pages and pages, but no account of his life can be complete without noting his distinctive raspy voice, which became his trademark. He told various stories as to how he had come to have that distinctive voice, but it is generally assumed it was the result of some childhood accident.

He began his acting career as a bit player during the silent picture era of the 1920s where obviously his raspy voice had no impact on his performances or character. While still a young man and with his career just beginning to gain some traction, the silent film era came to an end and for a time it seemed his acting career would likely also come to an end.

However in 1931, based to a large extent on his local reputation as an experienced football player, he was given a bit part in the ground breaking (and now rather iconic) film, *The Spirit of Notre Dame* (not to be confused with the later Notre Dame football movie, *Knute Rockne, All American* starring Pat O'Brien and a guy named Ronald Reagan). Since he could easily perform all the football scenes, his voice was accepted as a trade off against having to find another actor who was as big and who could play football.

What the Hollywood big-shots did not understand at the time was how likeable a character Andy Devine was and how oddly endearing his voice resonated with American audiences. He was no John Barrymore or even James Earl Jones, and his diction might have been suspect, but Americans loved him.

Andy Devine went on to have a prolific acting career. Never a leading man, and not even wanting to be, he perfected the perennial "sidekick" character, playing second fiddle to the leading man.

Over time Andy Devine became a familiar mainstay on the silver screen and stayed that way for close to half a century. He appeared in over 400 films, the vast majority being "Westerns."

With substantial success behind him, and with his distinctive voice, he moved easily from the silver screen to radio. He had recurring appearances on famous radio shows of the mid 20th century such as the very popular Jack Benny programs where he was a semi-regular guest.

After World War II Andy Devine again transitioned easily to television, where he appeared as "Jingles," Wild Bill Hitchcock's "sidekick" (where at the beginning of every episode he intoned…"Hey Wild Bill, wait for me" while riding furiously on horseback) and "Cookie," Roy Roger's "sidekick."

He was not always cast as the comedic "sidekick," however (though much of his fame was as that character-type). He also had roles in movies such as *Romeo and Juliet,* and enjoyed serious roles in such television programs as *The Twilight Zone.*

Many hams of a certain age will well remember Andy Devine from his immensely popular children's program which ran in the mid-1950s, called *Andy's Gang.*

If all that were not enough for this versatile actor, he

Continued on next page.

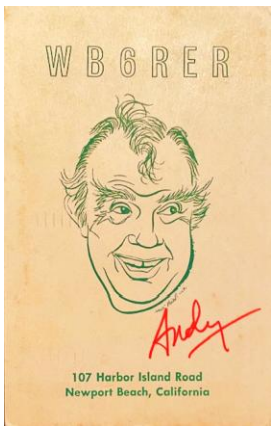
Notable Hams, continued

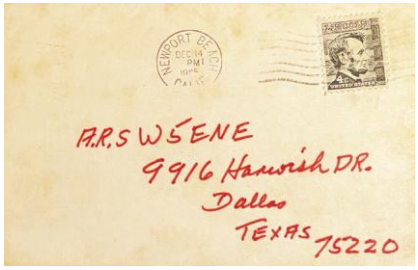
even starred on Broadway as Captain Andy in a 1950s revival of *Showboat.* For decades Andy Devine seemed omnipresent in every facet of entertainment. All the while he was respected by his peers and beloved by his audiences.

The Classic Western Sidekick, Andy Devine

Andy Devine was also an avid ham radio operator. He began in the 1950s as a CB operator

However, quickly enough, as the case with many a former CB'er, Andy Devine soon felt the allure of amateur radio. In 1964 Andy Devine obtained his General License. There is a story that he had to engage in some machinations to obtain the call sign WB6RER, which may or not be true. What is true is that Andy Devine loved that call. He quickly, and somewhat famously at the time, adopted the phonetics **Whiskey Bravo 6 Red Eyed Rooster**.





QSL Card Courtesy of Pete NL7XM

Andy Devine loved 40 meter SSB and his distinctive voice did not even need a CQ. He would simply say, "This is WB6RER, Red Eyed Rooster calling 40 and standing by." That was enough.

Every ham fortunate enough to hear the call and work WB6RER would have a gracious rag chew conversation with one of the most distinctive voices of the 20th century.

WB6RER Rag Chewing on 40 Meters

Andy Devine passed away in 1977. He was never a leading man, he never won an Oscar, he never received "above the name of the movie" billing on any marquee, but few actors have ever been as beloved by their audiences as Andy Devine.

He had a legendary acting career that spanned the better part of a century and performed in every entertainment medium of the age.

An active member of the Hualapai Amateur Radio Club, upon his passing his call sign was transferred to the club, where his memory as a ham is preserved to this day as his call sign is still on the air.

However, as famous as Andy Devine was, to us he was just Andy WB6RER, Red Eyed Rooster, a fellow ham.

Andy Devine WB6RER SK

Ham Radio Class Forming Now

ARC Squared Radio club will be holding
a 2-day in-person Amateur General Radio License class
where you can learn what you need to pass your
35-question exam and earn your upgrade to a
General FCC Amateur Radio License.

The General license is the second of three
U.S. Amateur Radio licenses.
To upgrade to General, you must hold a Technician license.
Upgrading to a General conveys extensive HF privileges.

Class: 2 days (Saturday and Sunday) June 21-22

Time: 8:00 am to about 4:30 pm

Location: Fairfield, NJ Red Cross office
209 Fairfield Road, Fairfield, NJ 07004
(Entrance from parking lot)

Class Fee: $20 (snacks & facility)

Exam Fee: $15 (payable at exam)

Schedule:

- Pre-Studying is required
- Class: all day Saturday, 8 am to about 4:30 pm
- Review: Sunday, 8 am to about 1 pm
- Exam: Sunday, after review

Registration required: *(with full name, address, cell number, call sign)*
Registration closes June 10th or when class reaches full capacity of 20.

To register or to ask questions, email: **NB1LL@ARRL.net**

Instructor: Bill Kelly, NB1LL (that is a #1 in NB1LL)

ARRL The national association for AMATEUR RADIO®

Learn About Amateur Radio !

Come to our

FIELD DAY

& see a weekend of

- Science
- Communications
- Emergency Preparedness

STEM

SCIENCE · TECHNOLOGY
ENGINEERING · MATH

Learn about World Wide RADIO communications ...

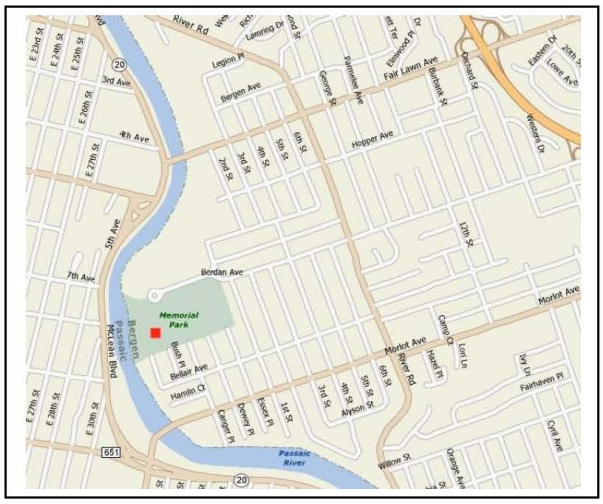
Speak over an actual Short Wave Radio station ...

See how we use computers + radios + nature
+ emergency power for fun & public service!

YOU are invited to visit us and see what it's all about ...

Fair Lawn Memorial Park
(between the pool & river)

Sat. June 28th, 2pm to 5pm
7pm to 9pm



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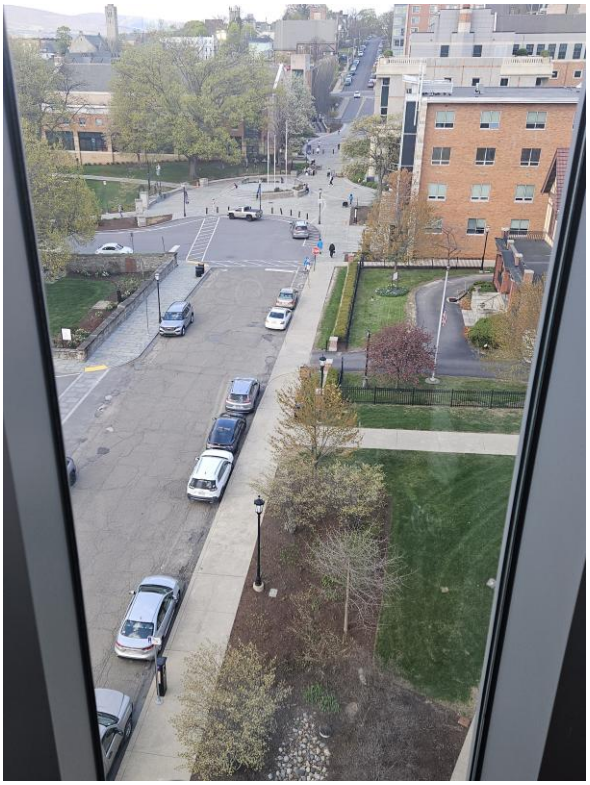
View from W3USR Super-Station



See page 22 for article and more photos.

2025 Dues

New members: only $20 for your first year !

There are no changes to dues for the upcoming year. Renew now, and let us know what activities or features would make you more active with the club.

Please makes checks payable to:
"Fair Lawn Amateur Radio Club"
and send them to:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

Please include a member application form with your $25 check regardless of your member status. It can be found near the back of this newsletter.

The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to: https://archive.org/details/flarc-resonator

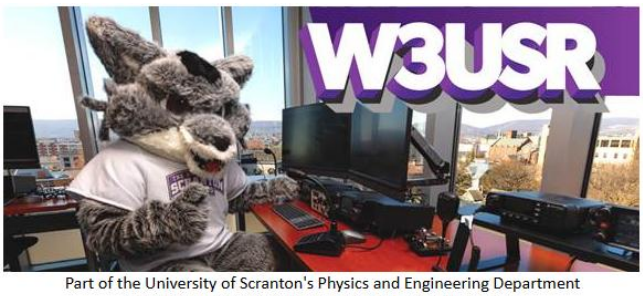
You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

http://apparel.FairLawnARC.org
http://auction.FairLawnARC.org
http://blog.FairLawnARC.org
http://calendar.FairLawnARC.org
http://events.FairLawnARC.org
http://exams.FairLawnARC.org
http://facebook.FairLawnARC.org
http://news.FairLawnARC.org
http://swap.FairLawnARC.org
http://tech.FairLawnARC.org
http://youtube.FairLawnARC.org

https://groups.io/g/FairLawnARC



Part of the University of Scranton's Physics and Engineering Department
a student-run radio club, and a flagship station for the
Ham Radio Science Citizen Investigation (HamSCI) project initiative.

The Fair Lawn Amateur Radio

Why is FLARC New Jersey's Most Exciting Radio Club?

Annual and Special Events

- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Day
- Earth and Environmental Days
- Field Trips
- Club Exchanges
- Special Even
- Public Service Activities
- Public Events
- Ham fests and Auctions
- Foxhunts
- Contests
- Youth Activities and more

There Is Something Every Night At FLARC!

Monday: Near and Far Net
Tuesday: DMR Net and Open House at the clubhouse
Wednesday: ARES/RACES Net
Thursday: Tech Net
Friday: Open House at the clubhouse or *Kawfee Tawk* Speaker Series (Monthly via Zoom)
Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts

Special Interest Groups

- Portable Ops (POTA, SOTA, etc.)
- DX: Chase the rare ones
- Digital Voice: DMR and other modes
- FT8: Plus, other WSJTX modes
- Satellite: Also, for weather interests
- Monitoring: SWL and other listening
- Contesting
- EMCOMM
- Radio Direction Finding
- Raspberry pi, Arduino

Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active in-person and social networking
- An extensive video education archive

That is Why FLARC Is the Most Exciting Club Around!

Come join us in-person or via Zoom for more activities, speakers, and projects!

www.fairlawnarc.org

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Business Meeting scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2025 Officers, Committees and Assignments		
President	**Gene Ottenheimer**	**WO2W**
Vice President	**Nomar Vizcarrondo**	**NP4H**
Treasurer	**Robert Marchini**	**KD2SOG**
Secretary	**Jim Cooper**	**W2JC**
Trustee	**Judith Shaw**	**KC2LTM**
Trustee	**Lowell "Van" VantSlot**	**W2DLT**
Trustee	**Noel Pagan**	**W2MSA**
Member Services Health & Welfare	**Judith Shaw**	**KC2LTM**
Marketing	**Nomar Vizcarrondo Jim Cooper**	**NP4H W2JC**
Program	**[open]**	
Video/YouTube	**Thom Guida**	**W2NZ**
Social Media	**Brian Duddy Thom Guida Dave Marotti**	**N2BTD W2NZ NK2Q**
Photographer	**Robert Marchini**	**KD2SOG**
Community Relations	**Gene Ottenheimer Dave Gotlib**	**WO2W KD2MOB**
Field Day2025	**[open]**	
Winter Field Day 2025	**Noel Pagan**	**W2MSA**
Hamfest	**Gene Ottenheimer**	**WO2W**
Auction	**Brian Cirulnick**	**KD2KLN**
Education	**[open]**	
Youth Outreach	**Robert Marchini**	**KD2SOG**
Adult Outreach	**Lowell "Van" VantSlot Jim Cooper**	**W2DLT W2JC**
VE Testing Coordinator	**Gene Ottenheimer**	**WO2W**
Special Events	**James Gallo**	**KB2FMH**
Contests	**Lowell Vant Slot**	**W2DLT**
FLARC Historian	**Fred Belghaus**	**KR2H [W2AAB]**
Webmaster Asst. Webmaster	**Jim Cooper David Kozinn**	**W2JC K2DBK**
Technical Chair	**Dave deCoons**	**WO2X**
EmComm RACES/ARES Director RACES/ARES Liaison	**Jim Breheny Dave Gotlib Steve Wraga**	**N2JLF KD2MOB WA2BYX**
Newsletter Editor Newsletter Publisher	**Jim Jalil Jim Cooper**	**W2KNG W2JC**
Club Station Manager	**Noel Pagan**	**W2MSA**
Quartermaster	**Fred Wawra**	**W2ABE**
W2NPT Trustee	**Jim Cooper**	**W2JC**
NK2H Trustee	**Ed Efchak**	**WX2R**

President serves as ex officio to all committees

Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a $15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or (toll free in NJ) 888.486.3339 to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. Or find the form and detailed instructions at:

https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf

Letters:
A feature of *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

Here are the grounds rules:

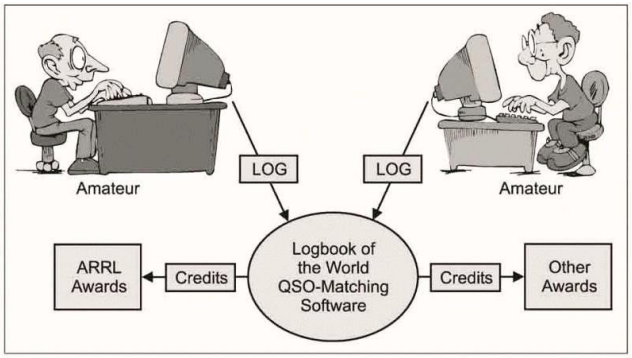
- *Please keep all comments as brief and succinct as possible.*
- *No personal attacks.*
- *No political rants.*
- *No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.*
- *The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.*

A QSL card is the final courtesy of an amateur radio contact.

https://en.wikipedia.org/wiki/QSL_card

INCOMING QSL Bureau -- if you have been making on-the-air contacts, you might very well have a package of exciting QSL cards from around the world waiting for you at the incoming QSL Bureau. If you previously received cards from them, check to see if you have any "credits" left by going to https://www.njdxa.org/?page_id=869 If you never contacted them, they probably have cards for you! Go to this page -- https://www.njdxa.org/?page_id=25 and get some 'credits' to cover the postage for mailing your cards to you.

To learn about the W2 Bureau, https://www.njdxa.org/?page_id=30



Those who upload logs to Logbook of the World become eligible to redeem confirmation credits for awards. LoTW wants and needs *all* logs. Uploading is free, so send your logs today!

NOTE:
While LotW is back on line and seems to be perking along just fine, we're advised that the DXCC part and application process is not yet restored. If you have plans to apply for DXCC, or endorsements, be patient and expect a few months delay.

Follow FLARC ON THE WEB

Facebook: http://facebook.FairLawnARC.org

Twitter: @FairLawnARC

Youtube: http://youtube.FairLawnARC.org

Website: http://FairLawnARC.org

SIG Group Membership

Here is an update on the roster of Special Interest Groups… many groups have increased in size during the last month. About 45% of all members have joined at least one group.

SIG Name	Leader	#
Contesting	W2DLT	14
Digital Voice	N2AAM	30
EmComm	N2JLF	13
Monitoring	WX2R	25
DX	W2JC	18
FT8	W2JC	22
Satellites	N2AAM	20
Portable Ops	W2MSA	48
Radio Astronomy	WX2R	4
Raspberry pi		7
Direction Finding	W2KBF	6
FLARC General		**176**

Sign up for a group... or …
why not start one?

Contact webmaster@FairLawnARC.org
if you would like to start a new
Special Interest Group.

The Clubhouse Is Open FOUR Fridays In May!!

Date	Clubhouse Status
May 2	CLOSED – Business Meeting at Fair Lawn Senior Center
May 9	OPEN
May 16	OPEN
May 23	OPEN
May 30	OPEN

Pop-Up Tuesdays are now in-person at the club.

The club will follow all borough COVID-19 requirements for these events.

Editor's Corner — by Jim Jalil W2KNG

Next month is the premier ham radio event of the year, Field Day. Over the last few years the Fair Lawn Amateur Radio Club has had a very healthy showing both in terms of score (although the ARRL always goes out of its way to maintain this isn't a contest) and in terms of member participation. It goes without saying that all members are enthusiastically invited to join their fellow members at Field Day. If you have never participated, believe it when hams tell you it is a blast.

But there is a problem. Honesty is always the best policy, so at the risk of annoying anyone or, heaven forbid driving anyone away, which is the last thing anyone wants to do, here it is.

Field Day is a lot of work, both in pre-Field Day preparation, which is going on now, and in setting up, operating and tearing down. The fun part is showing up, having bagels, pizza, chili, hamburgers and hot dogs, chatting with fellow members, telling stories, and of course operating, and all of that is great and, frankly, the point.

Having said that, those intrepid few who are there late in the afternoon on Friday at the clubhouse loading up, are there early in the day Saturday setting up, and more to the point, are there late Sunday afternoon tearing down could, to be frank and brutally honest, use a hand.

At this point in the preparation for Field Day, this column is not asking any member to join a Field Day committee, though any committee would love to have you. Nor is this column asking any member to show up for planning sessions, though you are more than welcome.

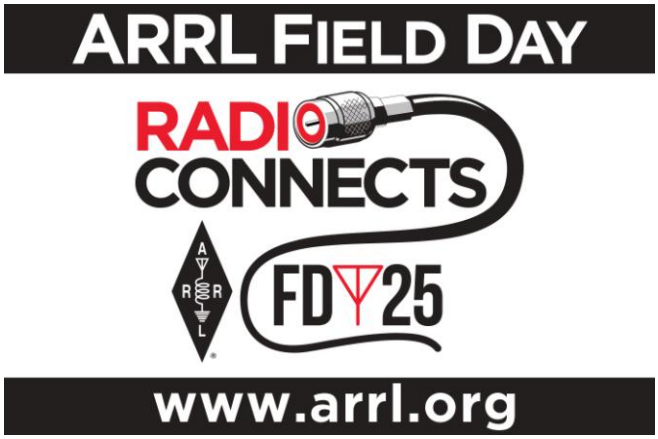
What this column is asking is for members to lend a hand during the event. Help load the trucks and vans on Friday. Come a little early on Saturday and hold the end of a coax as fellow members launch an antenna into the trees. Help unload trucks and vans carrying equipment, tents, coax, wire, radios, tables etc. to the staging area. Lend a hand in putting up a tent.

Then at the end of the event, and to be frank this is where help is really needed, assist tearing down and re-loading everything back on the trucks and vans and unloading everything back at the clubhouse. It is sometimes a bit painful to see hams getting up and leaving the minute the operating time ends, figuring "that's the end of Field Day, see you" — leaving to others the unglamorous task of tearing everything down and bringing it back to the clubhouse.

Field Day begins when the trucks and vans are loaded on Friday and ends when they are unloaded on Sunday. The operating hours themselves are not Field Day – they are just what is sandwiched in between.

No one is asking any member to do any heavy lifting or work beyond each one's capability. But there is always something to do. When it comes to Field Day many hands make short work for everyone. There will be experienced hams there to direct and oversee what needs to be done. That part is covered.

What is needed are the bodies to help. If you can help, even in a small way, you will be warmly welcomed, much appreciated and leave with the satisfaction you did your part, however small, to make Field Day a success.



Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at http://youtube.FairLawnARC.org

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at http://newsletters.FairLawnARC.org

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

https://fairlawnarc.groups.io/g/main/files

Renew Your ARRL Dues… Send Free Money to FLARC!

The ARRL has a great program to support affiliated clubs in that it sends part of your dues back to the club if you renew through the club.

So… when you get your ARRL renewal, send both your check and your renewal application to our trusty Treasurer, who will take care of getting your renewal to Newington and a fat check for $5.00 back to FLARC.

Nothing can be simpler…
you just have to remember!!

Print and use the form on page 25 of this issue of

The Resonator

Club Apparel — Get Them While They're RED!

Club apparel is always in vogue. Red is always "in" and your club friends all have them… you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget…. they're easy to order.
Go to www.hamthreads.com
or visit http://apparel.FairLawnARC.org

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color**.**

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.

It's easy to spot FLARC members wearing their red club shirts !

Ham Radio Is Contagious And It Won't Make You Sick!!

2024 FLARC Net On The W2NPT Repeater:

Near and Far Net • Mondays at 8PM

W2NPT Repeater and EchoLink

Special Note: *As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.*

https://newhams.info/

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a Business Meeting is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the Fair Lawn Senior Center, and on Zoom**.**

Visitors <u>ARE ALWAYS</u> welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL **167.9**) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has nearly two hundred paid members.
Dues are currently $25 per year;
$20 for new members.

For more information, please see our website, at
http://membership.FairLawnARC.org

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This is YOUR club.... Be a part of it !!

FAIR LAWN'S COMMUNICATIONS CENTER!

With Our Antennas On The Roof!

Around the Shack

— by Hal Kennedy N4GG

The Tale of the Wire Kabob - A Dubious Invention Or In Defense of Analysis

My new end-fed half-wave (EFHW) antenna consists of a 132-foot radiating wire fed via a 49:1 matching transformer. The transformer brings the impedance of the wire to 50 ohms, more or less. It's definitely "more or less."

EFHWs are high impedance antennas and their characteristics are sensitive to their surroundings. My store-bought EFHW came with a small in-line coil six feet out from the matching transformer. That coil is there to add a small amount of inductance to lower the antenna's resonant frequency on 10 meters. This is a tried and true approach to getting an EFHW antenna to cover all the ham bands from 80 through 10 meters, again, "more or less."

Unfortunately, but predictably, the resonant frequency of my EFHW was too high in the 10 meter band for my preferred operating modes. The addition of more inductance into the radiating wire, six feet from the matching transformer, was in order.

Meanwhile, the 132-foot radiating wire with its existing in-line coil was well-made from one continuous piece of wire. Adding inductance meant splicing into the wire – something I preferred not to do. I wanted a way to wrap some of the existing wire onto a coil-form without making a splice.

Well, I invented something; or at least I devised something. I have a strong suspicion the item I came up with has been devised before, probably by lots of people. Or maybe not. I've decided not to look.

Figure 1 shows my "invention." It's a short length of PVC pipe notched to allow taking some of an existing wire and forming it into a coil, without cutting the wire. The design resulted from sketch-pad noodling and some crude hand-work with a drill.

Figure 1. The "Wire Kabob" for splice-free addition of a coil onto an existing wire.

Figure 2 shows a table-top test of the device using a length of #14 THHN house wire.

Figure 2. Table-top mechanical test of the first wire kabob. There may never be a second one.

Continued on next page.

Around the Shack, Continued

Figure 3 shows the new coil in place, in series with the preexisting coil, installed without cutting the wire. Success! I have named this little gizmo a "wire kabob." If you have a better name, please email me.

Figure 3. The new coil added to my EFHW antenna. It had no effect on resonant frequency.

Results from installing the wire kabob were, to say the least, disappointing. In fact, there were no measurable results at all. The wire kabob was a mechanical success that had no effect electrically. Adding inductance should have lowered the antenna's resonant frequency and it didn't.

Last month I encouraged readers to use Ohm's Law as often as they can. Ohm's Law only requires a four-function calculator to handle the math. Why not analyze what you want to do before you do it? Why not "run the numbers" before incurring the time and expense of trial and error? (I acknowledge trial and error is sometimes fun and educational). Did I take my advice this time, as I expended the effort to design, build and experiment with the wire kabob? No, I just charged ahead.

Not lost on me was the fact that as I wrapped wire onto the wire kabob I was shortening the antenna. But I didn't bother analyzing it and here's why. Straight wire is slightly inductive but not nearly as much as wire formed into a coil. Intrinsically it seemed losing inches of straight wire in favor of having those inches form a coil had to lower the antenna's resonant frequency. It didn't work that way. Adding more and more wire onto the wire kabob had no effect on the resonant frequency. How could that be?

Here's the simple answer. As you add inductance at or near the base of an antenna, a wire vertical for example, the resonant frequency goes down. But, also, as you shorten the length of an antenna the resonant frequency goes up. If you make an in-line loading coil using the existing wire, you are lowering and raising the resonant frequency at the same time. The two actions tend to cancel. It seems obvious now that I've written it down.

I wound up analyzing my specific case. The two actions - adding the coil and shortening the antenna – almost perfectly canceled. That agrees with what I observed. Adding more turns to the coil accomplished nothing. It's important to note however that the results are case-specific. For example, if you were to make the new coil very long yet with very few turns, it would add little inductance and use a lot of wire. That would raise the resonant frequency. Conversely, a small tightly wound coil would add a lot of inductance and not use much wire, lowering the resonant frequency. The good news is this can be successfully modeled if you are inclined to analyze it before you try it.

Table 1 shows three cases for adding inductance into my EFHW. The second column shows the amount of change in the resonant frequency I would have expected if I ignored the fact that the wire for the coil shortens the antenna. Per column two, adding 1 uH of inductance would have lowered the resonant frequency 45 KHz – just what I was looking for and didn't see. The third column is the result of an EZNEC analysis taking into consideration the shortening of the antenna. The analysis predicts the effect will be so small as to be unobservable and that's how it turned out.

Table 1. Calculated vs. Observed Change from Adding a Coil

Added Inductance µH	Expected Change in Freq. kHz	Calculated Change in Freq. kHz	Observed Change in Freq. kHz
0.5	**- 19**	**+10**	**None**
0.75	**- 34**	**+1**	**None**
1.0	**- 45**	**-3**	**None**

Table 2 shows the amount of wire used to make the experimental coils. I'm still surprised a 1 uH coil made with the dimensions I was using (coil diameter 1.5 inches, coil length 1 inch, 5.4 turns) used over two feet of wire. The formula is just the circumference of the coil times the number of turns.

Continued on next page.

Around the Shack, Continued

Table 2. Coil Wire Length

Added Inductance µH	Amount of Wire Used Inches
0.50	**17.9**
0.75	**21.9**
1.00	**25.5**

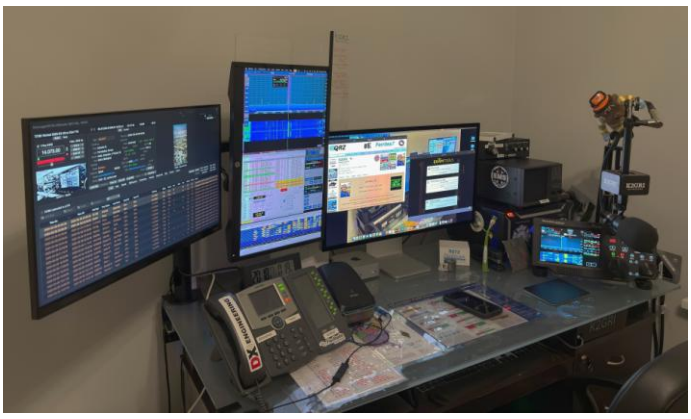
There are a few lessons here. First, analysis can sometimes save a lot of time and/or expense.

Next, it's easy to fool yourself. Despite sixty-four years in ham radio my assumptions about adding inductance while ignoring wire shortening, and about how much wire I was using, and about the sensitivity of an EFHW to changes in its length were all wrong. Analysis has its place.

As to the future of the wire kabob – well, I don't know. It's a dubious invention at best. Mine is resting in the trash can in the garage.

73,

Hal N4GG



Jeremy K2GRI has a nice, well organized operating position at home.

FLARC April 19, 2025 VE Testing Results

With VE testing back on schedule,
Gene **WO2W** reports the following results:

Name	Call	License Earned
Andrew Farinella	**KE2FEK**	**General**
Richard Schonberg	**KE2FKE**	**General**
Fadi Haddad	**KE2FNE**	**General**
Henry Fowler	**KB2BEE**	**General**
Carolyn Pontoriero	**KE2FIO**	**General**
Michael Luraschi	**KE2FWM**	**Technician**
Douglas Faley	**KE2FWN**	**Technician**
John Norman	**KE2FWE**	**Technician**

Testing for next month will be at the
Fair Lawn Recreation Center.

Eleven Special Interest Groups [SIGs] Already Formed: Any Others?

Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoItYourself (DIY)/Makers kit building, 3D printing and similar topics.

A list of all of the current SIGs is shown on page 11.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*
- *Technical assistance to club members*

Anyone interested in leading any of these groups…?

Please contact webmaster@FairLawnARC.org

Theoretics Demystified

This time we wrap up the topic of modulation. There is Amplitude Modulation, Frequency Modulation, Phase Shift Modulation [also known as Phase Shift Keying or PSK for short] and the digital variants of the above types of modulation.

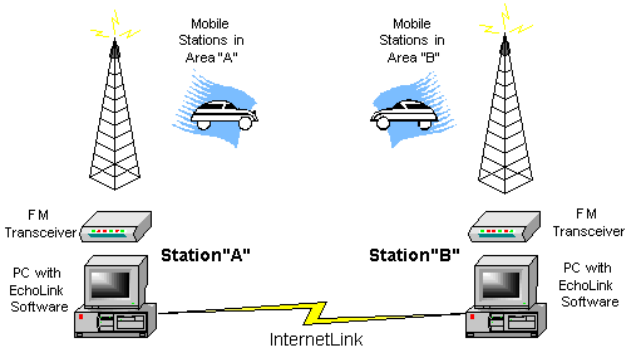
All the digital modes on specific manufacturers' VHF and UHF radios use some type of proprietary software and signaling protocols on their systems but they still use FM – either wideband or narrow band – to get the information across between radios and repeaters. There are so many types of signals being used for communication that it is best if you look at them in QST or on the web. The main thing to remember is that modulation is simply shaping an RF carrier to convey information to a distant receiver.

Nowadays you can use one of the types of digital protocols such as PSK31 or FT8 or some other variant to communicate using a computer and a keyboard, but you are still using some type of data that is sent out in some form of audio or carrier deviation/shifting which the encoding and decoding devices connected to a radio can understand. As for me, I like to TALK to people – which is an art in itself.

What is amazing is the amount of signal processing done in today's modern radios; and remote operation is possible with a number of rigs. On 2 meters you can use ECHOLINK to talk to your repeater and key into another distant repeater through the internet and to another ham in another country.

I had several QSOs from my QTH in Northern New Jersey to a ham in India! I would tell him that I was getting ready to go to work and he was telling me that he just got home FROM work!

— Fred Wawra, W2ABE, 73.



Hamspeak

MICROPHONES

CARBON MICROPHONE:
This mike uses a diaphragm with carbon granules that, when there is sound, compress and uncompress to change the resistance of the microphone to match the audio that it 'hears.'

CRYSTAL/PIEZEO MICROPHONE:
Uses a piezoelectric crystal that generates a voltage in response to the audio input. This arrangement will produce sound in response to a voltage input across the crystal.

DYNAMIC MICROPHONE:
Uses a diaphragm which has a small coil of fine wire and the whole thing is suspended in a strong magnetic field. This type of mike also produces sound when an audio signal is impressed across its input. Loudspeakers are electrically the same thing except loudspeakers are designed to PRODUCE sound and dynamic microphones are designed to change sound into electrical impulses.

CONDENSER MICROPHONES:
These mikes use a thin ribbon of electrical material that vibrates in a charged electrical field and thereby produce an audio output in response to vibrations that occur.

RIBBON MICROPHONE:
This type uses a fine metal ribbon suspended in a strong magnetic field to produce an audio output. This type of mike is like the condenser type in that it has a ribbon but is electrically the brother of the dynamic mike. Ribbon mikes are easily damaged by physical shock so they are rarely used nowadays.

ELECTRET MICROPHONE:
This type of mike is electrically the same as the condenser microphone except that a way was invented to do away with the charged electrical field required by having it built into the microphone. These types of microphones are and can be very small, so they are widely used as the frequency response and sensitivity are excellent.

— Fred Wawra W2ABE, 73.

A No-Holes Radio Installation

— by Karl Frank, W2KBF

I often hear Radio Amateurs on the air who operate from their vehicles using 5-watt HTs with stock rubber antennas. This only works well if they are within few miles of a repeater; and I understand the reluctance to drill holes in the vehicle for a better installation.

When it was time to replace my venerable Mercury Marquis with a newer vehicle, I took on the challenge of installing my 50-watt Yaesu dual band radio without drilling any holes or doing anything else that would void the factory warranty on my new vehicle.

Here is my solution:

The biggest challenge is to get power to the radio. Ideally, we want to take power directly from the 12 volt starter battery, but this requires running wires thru the firewall. Some vehicles may provide a suitably located rubber grommet, but I was out of luck. After poking around under the hood, crawling under dashboard until my back hurt and watching a few YouTube videos I could not find a good way to route wires to the battery for power. Therefore, I decided to mount a storage battery inside the passenger compartment of my vehicle and use an accessory outlet to maintain a charge.

My Yaesu FTM-400 draws about 10 A when transmitting with full power, so I needed a battery that could handle that current. After considering several battery chemistries, I selected a 15 Ah LiFePO battery pack from Powerwerx (shown below in the orange plastic box).

A carabiner attaches to a tie point in the rear of my vehicle and keeps the battery box in place. A 3 Amp step-up mobile charger for LiFePO batteries (from Paradan Radio) attaches to the battery box with Velcro and plugs into a nearby accessory outlet, keeping the battery charged. This accessory outlet provides power only when the vehicle is running so there is no danger of depleting the starter battery. This battery/charger combination is free of ripple and the LiFePO battery will stay charged as long as I spend more time listening than transmitting.

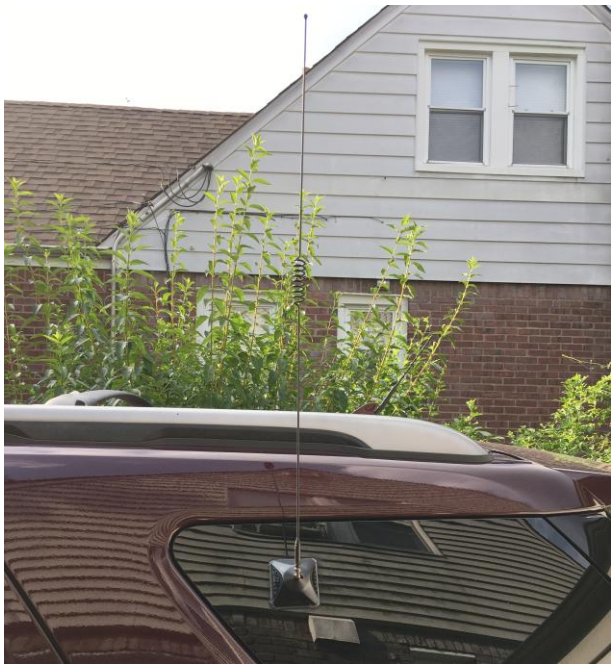
Mounting the Radio:

The FTM-400 has a removable control head, so I purchased a cup holder mount from Lido that places the controls in a convenient location. The body of the radio is mounted with Velcro to the carpeted floor behind the driver and front passenger seats. From this low position, the radio is unlikely to become a dangerous flying object.

The stock microphone cable was too short to reach the radio from the driver's position so I routed an extension cable thru the center arm rest. So far, I have not found the need to mount a speaker near the control head.

The antenna solution:

The antenna solution was easy (maybe too easy) — a thru-glass antenna model from Larsen. I have used these for years with new vehicles when I did not want to drill holes or use mag-mounts. The disadvantage these days is that many contemporary vehicles, including mine, have tinted windows and the composition of the window tint may affect antenna efficiency. Still, it is better than using a rubber duckie antenna inside the car!



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A No-Holes Radio Installation, continued.

Observations:

I like the cup holder mount from Lido and can recommend it for mounting radio control heads. I had concerns that the GPS receiver in the control head would not find satellites when mounted this low, but it has been working OK.

The LiFePO battery and charger were expensive, but work well. One significant drawback is that LiFePO batteries cannot be charged when the temperature goes below freezing, so I may have to switch to a Sealed Lead Acid battery before Winter OR swallow my DIY pride and pay someone with relevant expertise to route wires thru the firewall.

The thru-glass antenna was a disappointment. After using it for about a month, I placed a Larsen mag-mount antenna on the center of my roof and found that the mag-mount antenna works much better. The RG-58 coax is routed thru my tailgate without being crushed, so I still have a good no-holes installation.

Have I described a great radio installation? No, it is a compromise; but it is much better than driving around with just a 5-watt HT. I hope that some of these ideas will be useful to people who are reluctant to install mobile radios in their vehicles.

— Karl W2KBF

The Problem with Gasohol

- Spring is here. Time to refill our gas cans
- Gasoline + Ethyl Alcohol = Gasohol
- Absorbs moisture, then degrades
- Clogged carburetor, poor performance
- Add a Fuel Stabilizer if Gasohol will be stored more than a few months

This is a reminder for ARES types that gasoline from service stations contains about 10% alcohol. This will lead to problems if Emergency Generators are stored for long periods of time with fuel in them unless the fuel has been treated with fuel stabilizer.

— Karl W2KBF

More photos of Field Trip to W3USR

W2NAF, Steve KA2YRA and Bob N2SU in the shack

W3USR neat 'n tidy patch panel for all the many antenna coax

FLARC Field Trip to W3USR "Super Station"

— reported by Van W2DLT

The Fair Lawn Amateur Radio Club was invited to visit Nathaniel W2NAF at W3USR Scranton University Amateur Radio Club on Thursday, April 24th.

Bob N2SU and Van W2DLT represented FLARC during the lecture by Rob Robinett AI6VC, held at the DeNaples Student Center conference room.

The facility was great and the lecture/presentation was attended by FLARC members, BARA (not THAT BARA but rather, the Binghamton Amateur Radio Association). They had about 6 members present, including our own Steve KA2YRA.

Gene K2KJI was also present. He works with Nathaniel in putting the station together and is there often in an advisory capacity. Gene's daughter is an alumnus of Scranton U.

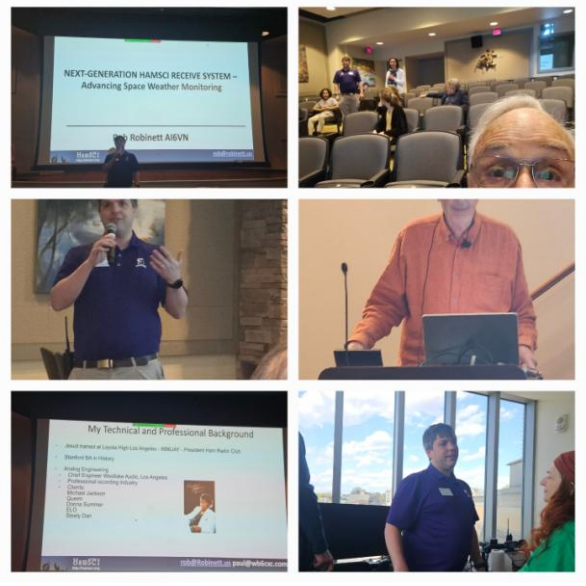
Both the lecture and the visitation were attended by about 15 or more undergraduate students from the School of Engineering and from Nathaniel's study group as well. What a great group of young hams, anxious to help answer any of our questions.

After the meeting we all walked about 1.4 mile (downhill) to the historic train station which is now a Radisson Hotel and houses the Trax Restaurant. It is an upgraded, but authentic version of the original historic train station (pheww!)

Later we visited the station itself, which is located at a windowed, fifth floor penthouse room in the Loyola Science Center. They, through a generous grant, have acquired the very finest, state of the art transceivers and amplifiers and antennas anywhere. A real sight to see.

Nathaniel was a very fine, affable host and spent time with each of us to answer any questions and show us around the station. Incidentally, the station is open to the public, no reservation required, every Thursday late afternoon and evening.

— Van W2DLT



First picture is cover slide of Rob Robinett's talk to the assembled group

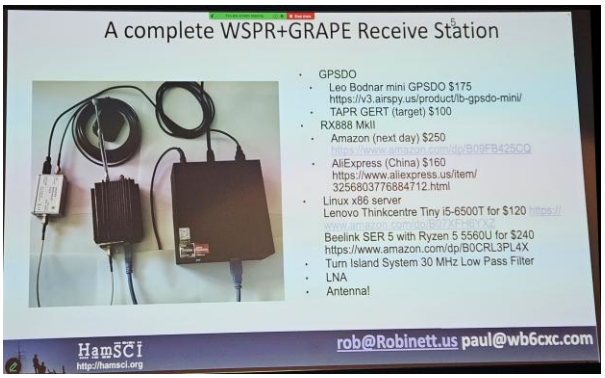
Second picture is of the group assembling for the presentation in a large auditorium at Scranton U.

Third is Nathaniel W2NAF introducing the speaker and welcoming everyone.

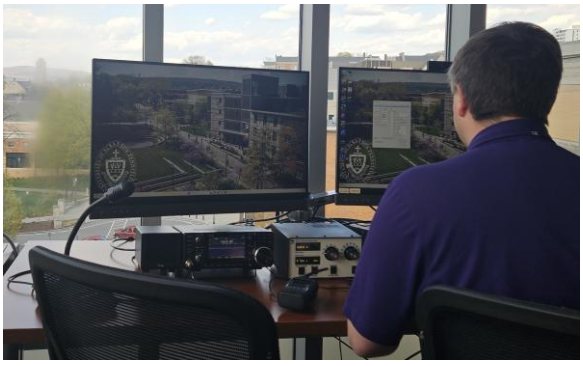
Fourth is Rob Robinett AI6VN speaking

Fifth is a synopsis of his talk and his bio

6th is Nathaniel in the club station addressing the visitors



One of Rob Robinett's slides showing a WSPR station



Nathaniel at the VHF-UHF digital station

More photos on pages 8 and 21.

ELECTRONIC DUES PAYMENTS ARE NOW AVAILABLE!

FLARC dues, new and renewal — and even donations! — can now be made on-line …

Until permanent arrangements can be made, several fiduciaries of the Fair Lawn Amateur Radio Club have graciously agreed to forward electronic payments to the Club's bank account.
Payments can be made using Zelle account.

- Log into your Zelle account
- Use the following phone number as the recipient: 201-240-9317
- In the notes section, include your Call Sign and what year(s) the dues are for

Once complete, you may – for added assurance - send a screenshot to treasurer@FairLawnARC.org

– please be sure to redact any personal information –
(e.g. bank account number, balance, etc.)

For both new and renewal, please complete the Membership Application form at https://FairLawnARC.com/membership.pdf
with your current info and either give it to a club officer
or mail it to the address on the form.

For additional information on club membership, visit
http://membership.FairLawnARC.org

Visit the club website at http://FairLawnARC.org for info about the club, club activities, club history and our club 2-meter repeater.

For a PDF form that can be filled in on-line, then printed and mailed with check, CLICK HERE

Or you can print this page, fill it in and mail to the address shown at the bottom.

Fair Lawn Amateur Radio Club

Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410

MEMBERSHIP/RENEWAL FORM

Name_____ **Call** _____

Address_____ **PO Box**_____ **Ste./Apt #**_____

City _____ **State** _____ **Zip** _____

Roster Published Phone #_____ **Unpublished Phone #**_____

Roster Published EMAIL _____ **License class:** _____

Check all that apply **ARRL Member ?** **RACES Member ?** **ARES Member ?** **CERT ?** **VE ?**

Additional Family Members (In same household) --

Name_____ **Call** _____

Name_____ **Call** _____

Introductory and Student Membership (Students under the age of 18 eligible for student membership) (Introductory membership open to new members or not a member in last 7 yrs)	**$ 20**	**$**_____
Associate Membership *	**(No Fee)**	
* Open to Fair Lawn Residents Only. No voting rights or other privileges.		
Renewal of Current Membership	**$ 25**	**$**_____
Three Year Renewal Incentive	**$ 65**	**$**_____
(Single memberships only, family memberships excluded)		
Additional Family Members #_____ **at**	**$ 5 each**	**$**_____
Life Membership	**$ 625**	**$**_____
Senior Life Membership (65 yrs. of age or over)	**$ 250**	**$**_____
Equipment Fund Donation, above regular membership dues		**$**_____
		==========
	Total submitted	**$**_____

_____ **Date**_____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

Complete this form for NEW or RENEWAL of ARRL membership
and give to FLARC Treasurer [David Gotlib KD2MOB] with your payment check.

ARRL
The National Association for Amateur Radio®

Membership Application

☐ **New** ☐ **Renew** ☐ **Previous Member** ☐ **Unlicensed**

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth _____ / _____ / _____

My Family Member is Joining or Renewing: ($12 per member)

Name _____ Call Sign _____

Name _____ Call Sign _____

☐ Please note my new address ☐ I do not want my name and address made available for non-ARRL related mailings

Your Annual Membership Dues*

Circle Your Choice (rates effective Jan. 1, 2024)

	1 Year	3 Years
Standard membership	$59	$174
Family (same membership exp. date and address)	$12	$36
Student (must be under age 26)	$30	
Blind (requires one-time statement of legal blindness)	$12	$36

Add-on ARRL Subscriptions

QST, ARRL's membership journal for active radio amateurs.
☐ 1 Year $25* ☐ 3 Years $75*

On the Air, For beginner-to-intermediate-level radio amateurs.
☐ 1 Year $25* ☐ 3 Years $75*

Member Benefits

Your membership supports benefits, services, and programs that keep you active and on the air.

Membership Includes:

- Access to four digital magazines and archives (*QST*, *On the Air*, *QEX*, & *NCJ*)
- Unlimited courses through the ARRL Learning Center (learn.arrl.org)
- Logbook of The World®, contests, and award programs

...and more!

*A print subscription for *QST* and/or *On the Air* requires an ARRL membership. Dues and subscription rates are subject to change without notice and are non-refundable

Payment Information

$_____Total Charge to: ☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover ☐ Check Enclosed

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CLUB
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May 2025
FLARC Business Meeting

Installing Radios in Electric Vehicles

Before the meeting, Ria N2RJ discussed the challenges and solutions of installing radios in electric vehicles (EVs). She shared her experiences with different EV models, including Tesla and Honda, and explained the importance of considering the vehicle's electrical system when installing radios. Ria also discussed the potential for RFI interference in EVs and shared her findings on the topic. She demonstrated how to install a radio in an EV and discussed the future of EVs in the context of radio installation. The conversation ended with President Gene WO2W thanking Ria for her presentation.

FAIR LAWN AMATEUR RADIO CLUB
MINUTES of BUSINESS MEETING
Fair Lawn Senior Center
May 2, 2025

The Club's President Gene WO2W called the meeting to order at 7:50 PM. At his request the members present in person rose and recited the Pledge of Allegiance.

Club Secretary Jim W2JC checked the officer role and found the following:

President	Gene	WO2W	Present
Vice President	Nomar	NP4H	Present
Treasurer	Robert	KD2SOG	Present
Secretary	Jim	W2JC	Present
Trustee	Van	W2DLT	Present (by Zoom)
Trustee	Judith	KC2LTM	Present (by Zoom)
Trustee	Noel	W2MSA	Not Present

The Secretary confirmed to the President that a quorum existed in order for the meeting to proceed and business be conducted.

The meeting began with a discussion about the absence of coffee talks in June and the resumption of such talks in July.

A Czech gentleman visitor was introduced, two other new hams (visitors) introduced themselves and Carolyn KE2FIO was congratulated for her tech and general achievements.

The minutes from the April meeting were reviewed and accepted as published in The Resonator. The treasurer's report was presented and approved. The sale of an antenna for $600 and the purchase of three new computers for operating stations were discussed. The 12/17 meter antenna was mentioned for sale, and the 6 and 10 meter beam was purchased.

The need for at least five cars for the Memorial Day Parade was emphasized, and the attendees were encouraged to participate. The conversation ended with announcements about the 2 meter net, Echo link, Sunday morning breakfast club, and the postponed portable day.

May 2025 FLARC Business Meeting, cont'd.

Upcoming Events and Volunteer Needs

The meeting focused on various upcoming events and activities. President WO2W discussed the Great Falls School Day event on May 29th, which will involve transporting equipment and conducting a CW demonstration for kids. The popular QSL Card Lottery, as used at the Ridgewood Science Saturday, is also planned. An FT8 demo is again planned, to show the combination of ham radio and computer/data these days.

The 5th annual Ham Fest is scheduled for June 14th, organized by Gene WI2W, Robert KD2SOG, and Nomar NP4H.

The Street Fair on June 21st and the Field Day on June 28th and 29th were also mentioned. Gene also mentioned the need for volunteers for these events.

Steve WI2W announced the upcoming space station contact with the Paterson P-Tech High School on October 6th, which will be live-streamed.

Jim N2JLF also mentioned the need for volunteers for the EmComm drill on May 3rd, which will test the compatibility of communication through repeaters and simplex. Jim encouraged anyone interested in volunteering to reach out to him at N2JLF@arrl.net

Meeting was adjourned at 20:40 EDT.

Quick recap

The meeting discussed the challenges and solutions of installing radios in electric vehicles, with N2RJ sharing her experiences and findings on the topic. The attendees also reviewed the minutes from the previous meeting, discussed the treasurer's report, and made announcements about various upcoming events and activities. The conversation ended with Gene WO2W thanking Ria for her presentation and discussing the future of EVs in the context of radio installation.

Next steps

- Gene to give $738 from antenna and cable sales to Robert for deposit into club account.
- Club members to volunteer for at least 3 more cars for Memorial Day Parade communications on May 26th.
- Jim W2JC to help organize Great Falls School Day event on May 29th.
- Dave WO2X to check if more QSL cards are needed for events.
- Club members to volunteer for Ham Fest on June 14th.
- Club members to volunteer for Field Day on June 28-29th.
- Club members interested in participating in Bergen County emergency communications drill to join on 145.450 MHz repeater at 9 AM on May 3rd.
- Steve WI2W to coordinate International Space Station contact with Patterson P-Tech High School the week of October 6th.
- Jim W2JC to assist new member with getting invited to the club's groups.io.
- Club members to contact Steve WI2W if they know of any school clubs or young hams needing donated radio equipment.